

UK Household Longitudinal Study: *Understanding Society*



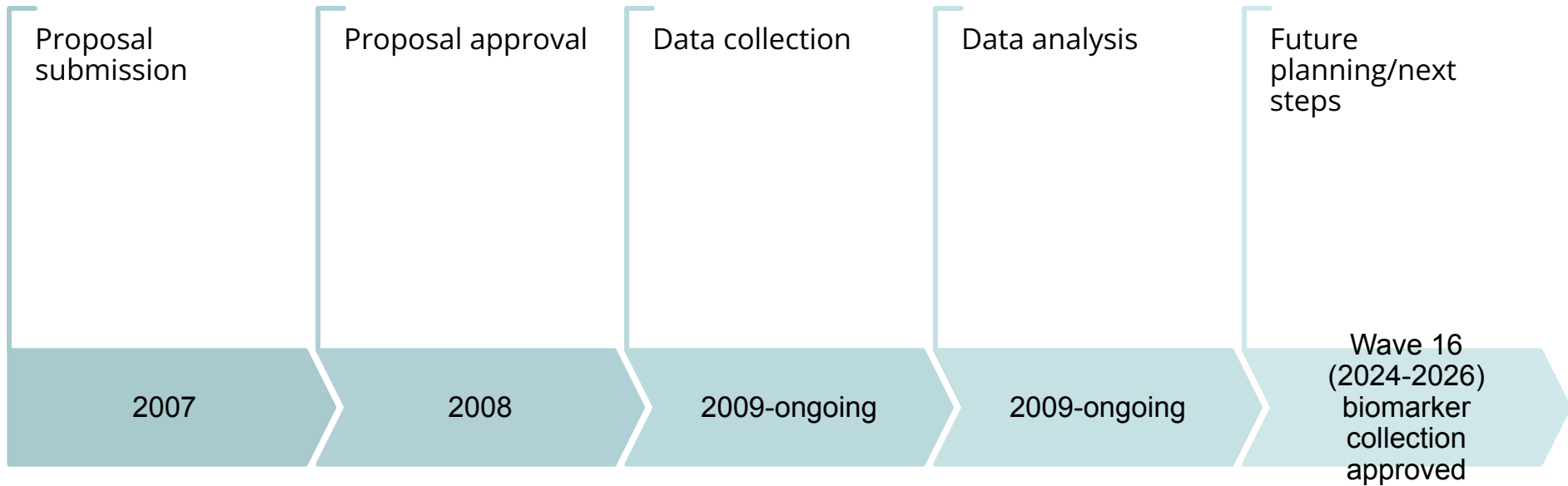
Basic Overview

- Residents of households in the United Kingdom
- 2009, building on British Household Panel Survey (1991)
- randomly selected sample of households.
Oversampling of ethnic minority groups

Study Population

- Initial sample: 40,000 households.
- Information collected from all participants in the household
- Sample members are followed over their life course at 1 year intervals and within UK
- Biomarkers collected in waves 2/3, n=20,000

Timeline



Biomarker bid 2010-2012

files deposited:

- nurse/biomarkers 2014
- GWAS 2015
- 2017 and 2021
- EWAS 2021
- Covid antibodies 2021
- methylation clocks 2022
- Olink proteomics 2022

Understanding Society - Domains



- Study Design
 - Survey mode
 - face-to-face, webOver time, the study has migrated from majority face-to-face to majority web
 - What type of information are you collecting?
 - Health and wellbeing
 - Education
 - Family and Household
 - Money and finances
 - Politics and social attitudes
 - Transport and environment
- Biomarkers
 - What tissues are you planning to collect?
 - Capillary blood, microbiome
 - What assays are you planning?
 - Biomarkers, GWAS, EWAS, metagenomics
 - Future interests:
 - wearables
 - saliva sampling
- Additional info
 - Data collection via apps
 - Expansion of contextual data linkages
 - Investigation of follow-up into residential institutions